

Site Integration and Infrastructure

B. A. Austin, Vice President for Safety and Health/(509) 376-0543 regarding Safeguards and Security

D. M. Busche, Vice President for Regulatory Compliance/(509) 373-3337 regarding the Environmental Compliance Program

M. T. Case, Vice President of Project Operation Center/(509) 376-4250 regarding Hazardous Materials Management and Emergency Response (HAMMER)

N. P. Nunn, Vice President of Project Systems and Support/(509) 373-9724 regarding Planning and Integration, and Systems Engineering and Integration



OVERVIEW

Site Integration and Infrastructure consists of Project Baseline Summary (PBS) Safeguards and Security (PBS RL-SS-D); Hazardous Materials Management and Emergency Response (HAMMER, PBS RL-SS05) and Site Systems and Regulatory Analysis (PBS RL-SS01). PBS SS01 contains three sub-projects:

- Planning and Integration;
- Environmental Compliance Program; and
- Systems Engineering and Integration.

NOTE: Unless otherwise noted, all information contained herein is as of the end of July 2003.

NOTABLE ACCOMPLISHMENTS

Safeguards and Security (SAS) (PBS RL-SS-D)

SAS, in support of the FFTF, implemented an enhanced security operation one week ahead of schedule which enabled the FFTF to start fuel off-load earlier than originally planned.

SAS developed a plan addressing security requirements for removal of all Category I/II Special Nuclear Material from the Plutonium Finishing Plant (PFP). The plan identifies a schedule and strategy for abandonment, relocation, or redeployment of security systems, computerized alarm functions and personnel; establishment of limited area islands; and it will feed into the PFP plan for removal of the protected area.

On July 24, 2003, the visiting DOE polygraph team completed their polygraph examinations of Hanford incumbents and applicants, to include bargaining personnel. The team successfully completed 51 of 54 scheduled examinations.

Sixty-two candidates for security police officer positions completed the first phase of testing towards filling upcoming vacancies on the Hanford Patrol.

HAMMER (PBS RL-SS05)

Hanford Site Training at HAMMER: HAMMER's first priority is to deliver hands-on training to the Hanford workforce. During July, 210 classes were conducted for a total of 3,777 Hanford site student days. Highest attended health and safety classes included Hazardous Waste Operations, Respiratory Protection, Radiation Worker II Requalification, Tank Farms Continuing Training Cycle 3, and Basic Medic First Aid training. Overall satisfaction ratings (rated on a scale from one through four) for the month of July were Course Content 3.6, Instructors 3.7, and Facility 3.6.

Brokered Classes: This month HAMMER brokered or facilitated facility-specific, site-specific and multi-contractor training covering 16 topics in 27 sessions. The topics covered were Leadership Essentials I, II and III; Introduction to Occurrence Reporting; Supply Chain Process; and Facility Skills. Multi-contractor training was also provided on National Fire Protection Association code 70E, Parts II and III.

ACCOMPLISHMENTS, CONTINUED

DOE Office of Energy Assurance (DOE-EA) Acting Director Visit to HAMMER: The Acting Director of the DOE-EA, Denise Swink, visited HAMMER, Pacific Northwest National Laboratory (PNNL), and the National Counternarcotics Center on July 10, 2003. She viewed multiple classes in training while she toured the HAMMER facility and the Patrol Training Academy. Information about the National Utility Training Services facility was shared with her during the visit. Ms. Swink noted how impressed she was with all the facilities and the commitment of the FH staff that operates HAMMER. She spoke very positively about the niche that HAMMER could fill for DOE-EA in training and technology deployment for the public and private sector agencies.

HAMMER Pond and Training Water System Inspection: On July 29, 2003, representatives from the Washington Department of Ecology were on site to inspect the HAMMER pond and training water system. The inspection was to verify compliance with the State Waste Discharge Permit 4508 and the application of the Best Management Practices Plan for the permit. The pond was placed under the permit in 1997 due to the potential for leaks of the pond water to the ground. The meeting and inspection went very well. The inspectors were impressed with the program being conducted by HAMMER Operations. Two minor issues were identified, both involving material labels, and they have since been corrected. Additionally, the inspectors commented on the cleanliness of the pump house, the quality of the water, HAMMER Operations' efforts to find environmentally friendly water treatment products, and the conduct of HAMMER surveillances and documentation.

Planning and Integration (P&I) (PBS RL-SS01)

FH Life-cycle Re-baseline: Since the baseline submittal on June 27, 2003, P&I continues to provide support to RL staff reviews, HQ review teams, and the PNNL Life-Cycle Modeling tool. This effort consisted of briefings to these teams, establishing a shared area to provide electronic data files, meeting with smaller groups to explain FH processes, preparing electronic source data files and other related support. Based upon an approved baseline change, the PHMC Master Schedule was updated and retransmitted to the review teams in July. Based upon the June 27, 2003, detailed schedule deliverables, the FH Critical Path Schedule was generated. The Critical Path Schedule displays the discrete activities and milestones in support of the FH Performance Incentives. This schedule was delivered a week early on July 8, 2003 (due July 16, 2003).

Hanford Data Integrator (HANDI): An effort was initiated to review and redesign HANDI menus and reports in support of revised project controls requirements. Representatives from various projects and organizations are participating in the review and will serve as points of contact to consolidate ideas and suggestions. Requirements changes include revised DOE PBS (work grouping), organizational coding changes, and an enhancement to the use of monitoring performance and planning data by code of accounts.

PHMC Performance Report: The June-data report was provided to RL on July 21, 2003, and formally issued July 30, 2003, six working days ahead of schedule.

Environmental Compliance Program (ECP) (PBS RL-SS01)

Calendar Year (CY) 2002 Annual Polychlorinated Biphenyl (PCB) Report: The final CY 2002 Hanford Site Annual PCB Report was delivered to RL on July 1, 2003. This submittal completes Tracked Deliverable ECP-03-505 seven days ahead of schedule.

ACCOMPLISHMENTS, CONTINUED

National Emissions Standards for Hazardous Air Pollutants (NESHAP) Quarterly Report: The NESHAP Federal Facility Compliance Agreement (FFCA) Quarterly Status Report for April through June 2003, Tracked Deliverable ECP-03-807, was transmitted to RL on July 22, 2003, three days ahead of the contract deliverable date. The report was also faxed to the State of Washington Department of Health (WDOH) on the same day, satisfying the FFCA due date requirement seventeen days ahead of schedule.

Annual NESHAP Conference: Environmental Protection represented Fluor Hanford at the annual NESHAP conference sponsored by the Health Physics Society the week of July 21, 2003. Presentations were given on FH's efforts to comply with the new Subpart H inspection requirements and the results from the recent PFP stack sampling studies. Several DOE sites also described their struggles to meet the new Subpart H. Some key points were made to the audience which included regulators from Washington State as well as DOE-HQ and the Environmental Protection Agency-HQ. There was a healthy exchange of information that may prove beneficial to the Hanford compliance effort.

Fourth Quarter Resource Conservation and Recovery Act Permit Class 1 Modification

Notification: FH assisted DOE in transmittal of the notification to the State of Washington Department of Ecology (Ecology) on July 10, 2003. Units included in this quarter's notification were the 305-B Storage Facility, PUREX Storage Tunnels, Liquid Effluent Treatment Facility and 200 Area Effluent Treatment Facility, 242-A Evaporator, 325 Hazardous Waste Treatment Units, 1325-N Liquid Waste Disposal Facility, 1301-N Liquid Waste Disposal Facility, 1324-N Surface Impoundment, and 1324-NA Percolation Pond.

216 State (ST) Waste Discharge Permits: Preparation of the replacement permit for ST 4508, 09, and 10 has been initiated by Ecology. In preparation, Ecology toured the HAMMER Facility on July 28, 2003, to obtain operational information. FH understands that Ecology plans to visit a few other facilities in support of preparing the new permit.

Regulator Inspection Support: The following regulator facility inspections and follow-up to information and/or action requests were coordinated:

- On July 8, 2003, WDOH conducted an inspection as part of the closure activities for the Notice of Construction (NOC) for activities at the Bunker Tank Site, located near the steam plant in the 300 Area.
- On July 8, 2003, WDOH conducted an inspection as part of the closure activities for the NOC of Sludge Removal from the 340A Tanks, located at the 340 Complex in the 300 Area.
- On July 8, 2003, WDOH conducted a NOC closeout inspection at the Tumbleweed (vegetation) Drying Facility in the 200 West Area.
- On July 10, 2003, Ecology conducted a sampling event near the Waste Treatment Plant.
- On July 16, 2003, WDOH began a NOC inspection at the PFP in the 200 West Area.
- On July 24, 2003, WDOH performed an Environmental Protection Agency Level II Major Stack Inspection of the 327 Facility, focusing on building exhaust controls and both EP-327-01-S and EP-327-02-V Stack Sampling Systems.
- On July 29, 2003, Ecology conducted an inspection of the training pond at the HAMMER Facility.

ACCOMPLISHMENTS, CONTINUED

Systems Engineering and Integration (SEI) (PBS RL-SS01)

FH Life-cycle Re-baseline: Continue to support the DOE review of the FH life-cycle baseline update that was submitted on June 27, 2003.

Project Hanford Management Contract: Work continued to support efforts for Prime Contract Management and Integration:

- Worked with Prime Contract Management and RL to resolve comments on the quarterly Government Furnished Services and Items (GFS/I) submittals.
- Worked with Prime Contract Management to initiate discussions with DOE on the additional GFS/I that was identified as part of the June 27, 2003, baseline update.

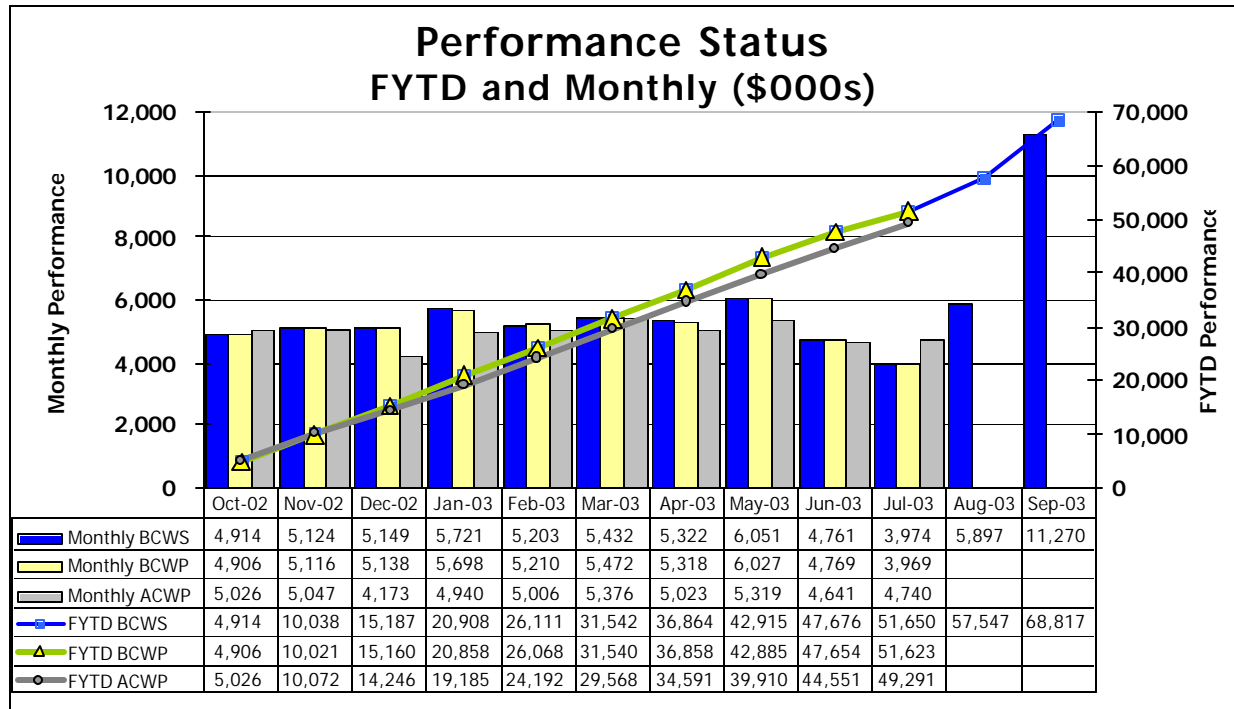
FY03 SCHEDULE/COST PERFORMANCE (\$000)

Schedule Performance: The schedule performance variance for all three PBSs is within the established +/- 10 percent or \$1M threshold, therefore no variance analysis is provided.

Cost Performance: Variances for PBSs SS-D and SS05 are within the established threshold, therefore no variance analysis is provided. PBS SS01's positive cost performance variance of 5% (\$2,332K) is mainly due to prior spending restraints during continuing resolution. Now that continuing resolution has ended, equipment and service contracts are being placed. Also included in the variance is an over-liquidation due to revenue from site services being planned at 32.4% while it is presently being generated at 34.7%. This over-liquidation could result in a refund to customers and/or a reduction in billing rates.

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-SS-D Safeguards & Security	35,967	35,967	35,755	0	0%	212	1%	44,407
RL-SS05 HAMMER	4,005	3,978	3,783	-27	-1%	195	5%	4,939
RL-SS01 Site Systems & Regulatory Analysis	11,679	11,679	9,753	0	0%	1,925	16%	19,471
Other Direct PBSs	51,650	51,623	49,291	-27	0%	2,332	5%	68,817

SCHEDULE/COST PERFORMANCE, CONTINUED



FY 2003 FH FUNDS VS FORECAST (\$000)

	Expected Funds	Spend Forecast	Variance
RL-SS01 Site Integration	14,297	14,233	64
RL-SS05 HAMMER	4,939	4,870	69
Post 2006 - Operating	\$ 19,236	\$ 19,103	\$ 133
RL-SS-D Safeguards & Security	47,982	46,990	992
Safeguards & Security	\$ 47,982	\$ 46,990	\$ 992